551505

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 14 October 2004 (14,10,2004)

PCT

(10) International Publication Number WO 2004/087493 A1

(51) International Patent Classification⁷: B62K 25/32

B62M 11/16,

(21) International Application Number:

PCT/GB2004/000941

(22) International Filing Date: 5 March 2004 (05.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0307429.1

31 March 2003 (31.03.2003) GE

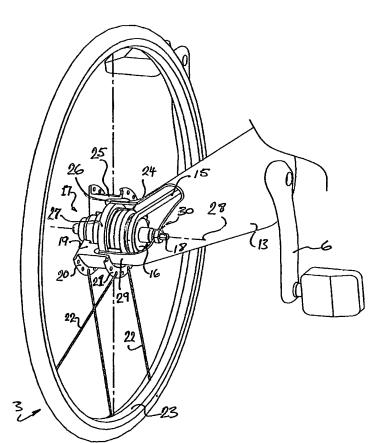
- (71) Applicant (for all designated States except US): KAR-BON, KINETICS LIMITED [GB/GB]; 202 West Block, Forum Magnum Square, London SE1 7GL (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): THORPE, Richard

[GB/GB]; 202 West Block, Forum Magnum Square, London SE1 7GL (GB).

- (74) Agent: BERESFORD, Keith, Denis, Lewis; Beresford & Co, 16 High Holborn, London WC1V 6BX (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: BICYCLE



(57) Abstract: There is described a bicycle (1) in which the rear wheel (3) is provided with a planetary hub gearbox (17) and is mounted on a single rear arm (13) positioned to one side of the rear wheel. The planetary gearbox comprises an outer casing (19) having an external bearing surface to engage a bearing mounted to the rear arm (13) of the bicycle, and releaseable mounting means for attaching the rear wheel (3) of the bicycle to the outer casing (19) of the planetary hub gearbox (17). The rear arm is of tubular or hollow construction, with the drive chain (15) or belt running enclosed within the rear arm (13).

WO 2004/087493 A1



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.